



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.09/KRIDL/CEMENT/2014-15

Date: 20.08.2014

TEST REPORT



CLIENT	:	Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
AGENCY	:	Technical Manager, KRIDL, Bangalore.
NAME OF THE WORK	:	Construction of Drain and Providing Covering Slab in Saptagiri Layout in Ward No.09 of Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	:	AEE/VP/WO/80/2014-15 Dated: 18.08.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	a) Initial Setting Time	IS-4031 (Part -5)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	480 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.00 %	-

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.09/KRIDL/SAND/2014-15

: 20.08.2014



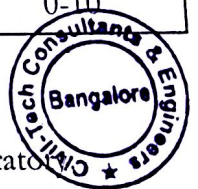
TEST REPORT ON FINE AGGREGATES (SAND) IS 383-1970 (RA- 2002)

Client : Asst. Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.
Agency : Technical Manager, KRIDL, Bangalore.
Name of Work : Construction of Drain and Providing Covering Slab in Saptagiri Layout in Ward No.09 of Vidyananyapura Sub Division, BBMP, Bangalore.
Reference : AEE/VP/WO/80/2014-15 Dated: 18.08.2014
Date of Testing : 20.08.2014
Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	95	4.75	4.75	95.3	90-100
2.36	217	10.85	15.60	84.4	75-100
1.18	522	26.10	41.70	58.3	55-90
600 Micron	418	20.90	62.60	37.4	35-59
300 Micron	496	24.80	87.40	12.6	8-30
150 Micron	207	10.35	97.75	2.3	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing



[Handwritten signature]

[Handwritten signature]
M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

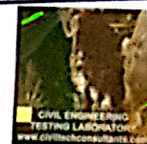


CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.09/KRIDL/AGG/2014-15

: 20.08.2014



TEST REPORT ON COARSE AGGREGATES IS 383-1970 (RA- 2002)

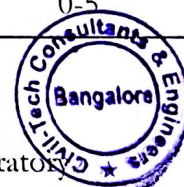
Client : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency : Technical Manager, KRIDL, Bangalore.
Name of Work : Construction of Drain and Providing Covering Slab in Saptagiri Layout in Ward No.09 of Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference : AEE/VP/WO/80/2014-15 Dated: 18.08.2014
Date of Testing : 20.08.2014
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **26000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	1022	3.93	3.93	96.07	95-100
20	15868	61.03	64.96	35.04	30-70
10	6136	23.60	88.56	11.44	10-35
4.75	2574	9.90	98.46	1.54	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing



Handwritten signature/initials

Handwritten signature
M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

28.08.2014

Job No.: CTCE/BBMP/W.No.09/KRIDL/STEEL/2014-15

TEST REPORT ON REINFORCEMENT STEEL

Client : Asst. Executive Engineer, Vidyanarayapura Sub
Division, BBMP, Bangalore.

Agency : Technical Manager, KRIDL, Bangalore.

Name of the work : Construction of Drain and Providing Covering Slab in
Saptagiri Layout in Ward No.09 of Vidyanarayapura Sub
Division, BBMP, Bangalore.

Reference : AEE/VP/WO/80/2014-15 Dated: 18.08.2014

Date of Test : 28.08.2014

Technical Reference : IS: 1786-2008

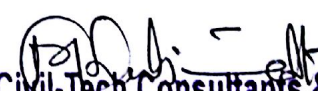


Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm ²	Tensile strength (Ultimate stress) N/mm ²	Elongation percent gauge length		
1	10	0.62	513	549	13.20	O.K	O.K

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.




M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

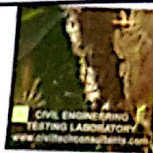


CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.09/KRIDL/CUBE/2014-15

25.09.2014



TEST REPORT ON CONCRETE CUBES

Client : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : Technical Manager, KRIDL, Bangalore.

Name of the work : Construction of Drain and Providing Covering Slab in Saptagiri Layout in Ward No.09 of Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/VP/WO/80/2014-15 Dated: 18.08.2014

Sample ID : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

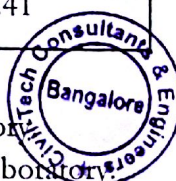
Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	28.08.2014	25.09.2014	8.265	490.5	21.80
2	28.08.2014	25.09.2014	8.374	514.8	22.88
3	28.08.2014	25.09.2014	8.496	526.7	23.41

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.


M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com